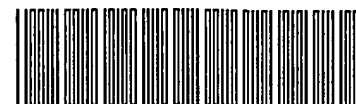


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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/360,685C
Source: IFW/6
Date Processed by STIC: 2/21/06

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IFW16

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DATE: 02/21/2006

PATENT APPLICATION: US/09/360,685C

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3 <110> APPLICANT: Covacci, Antonello
4      Bugnoli, Massimo
5      Telford, John
6      Macchia, Giovanni
7      Rappuoli, Rino
9 <120> TITLE OF INVENTION: Helicobacter Pylori CAI Antigen Polynucleotides
11 <130> FILE REFERENCE: CHIR-0157
13 <140> CURRENT APPLICATION NUMBER: 09/360,685C
14 <141> CURRENT FILING DATE: 1999-07-26
16 <150> PRIOR APPLICATION NUMBER: 08/471,491
17 <151> PRIOR FILING DATE: 1995-06-06
19 <150> PRIOR APPLICATION NUMBER: 08/256,848
20 <151> PRIOR FILING DATE: 1994-10-21
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193 35 40 45
196 Ala Thr Gly Thr Ala Val Gly Thr Val Ser Gly Leu Leu Ser Trp Gly
197 50 55 60
200 Leu Lys Gln Ala Glu Glu Ala Asn Lys Thr Pro Asp Lys Pro Asp Lys
201 65 70 75 80
204 Val Trp Arg Ile Gln Ala Gly Lys Gly Phe Asn Glu Phe Pro Asn Lys
205 85 90 95
208 Glu Tyr Asp Leu Tyr Arg Ser Leu Leu Ser Ser Lys Ile Asp Gly Gly
209 100 105 110
212 Trp Asp Trp Gly Asn Ala Ala Arg His Tyr Trp Val Lys Gly Gly Gln
213 115 120 125
216 Gln Asn Lys Leu Glu Val Asp Met Lys Asp Ala Val Gly Thr Tyr Thr
217 130 135 140
220 Leu Ser Gly Leu Arg Asn Phe Thr Gly Gly Asp Leu Asp Val Asn Met
221 145 150 155 160
224 Gln Lys Ala Thr Leu Arg Leu Gly Gln Phe Asn Gly Asn Ser Phe Thr
225 165 170 175
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229 180 185 190
232 Lys Asn Ile Ser Ile Asp Asn Phe Val Glu Ile Asn Asn Arg Val Gly
233 195 200 205
236 Ser Gly Ala Gly Arg Lys Ala Ser Ser Thr Val Leu Thr Leu Gln Ala
237 210 215 220
240 Ser Glu Gly Ile Thr Ser Asp Lys Asn Ala Glu Ile Ser Leu Tyr Asp
241 225 230 235 240
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245 245 250 255
248 Val Trp Met Gly Arg Leu Gln Tyr Val Gly Ala Tyr Leu Ala Pro Ser
249 260 265 270
252 Tyr Ser Thr Ile Asn Thr Ser Lys Val Thr Gly Glu Val Asn Phe Asn
253 275 280 285
256 His Leu Thr Val Gly Asp Lys Asn Ala Ala Gln Ala Gly Ile Ile Ala
257 290 295 300
260 Asn Lys Lys Thr Asn Ile Gly Thr Leu Asp Leu Trp Gln Ser Ala Gly
261 305 310 315 320
264 Leu Asn Ile Ile Ala Pro Pro Glu Gly Gly Tyr Lys Asp Lys Pro Asn
265 325 330 335

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276 Ile Asn Pro Pro Asn Ser Ala Gln Lys Thr Glu Val Gln Pro Thr Gln
277           370           375           380
280 Val Ile Asp Gly Pro Phe Ala Gly Gly Lys Asp Thr Val Val Asn Ile
281 385           390           395           400
284 Asn Arg Ile Asn Thr Asn Ala Asp Gly Thr Ile Arg Val Gly Gly Phe
285           405           410           415
288 Lys Ala Ser Leu Thr Thr Asn Ala Ala His Leu His Ile Gly Lys Gly
289           420           425           430
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293           435           440           445
296 Asn Leu Thr Gly Asn Ile Thr Val Asp Gly Pro Leu Arg Val Asn Asn
297           450           455           460
300 Gln Val Gly Gly Tyr Ala Leu Ala Gly Ser Ser Ala Asn Phe Glu Phe
301 465           470           475           480
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305           485           490           495
308 Ile Ser Leu Gly Arg Phe Val Asn Leu Lys Val Asp Ala His Thr Ala
309           500           505           510
312 Asn Phe Lys Gly Ile Asp Thr Gly Asn Gly Gly Phe Asn Thr Leu Asp
313           515           520           525
316 Phe Ser Gly Val Thr Asp Lys Val Asn Ile Asn Lys Leu Ile Thr Ala
317           530           535           540
320 Ser Thr Asn Val Ala Val Lys Asn Phe Asn Ile Asn Glu Leu Ile Val
321 545           550           555           560
324 Lys Thr Asn Gly Ile Ser Val Gly Glu Tyr Thr His Phe Ser Glu Asp
325           565           570           575
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329           580           585           590
332 Arg Ser Leu Phe Ser Gly Gly Val Lys Phe Lys Gly Gly Glu Lys Leu
333           595           600           605
336 Val Ile Asp Glu Phe Tyr Tyr Ser Pro Trp Asn Tyr Phe Asp Ala Arg
337           610           615           620
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341 625           630           635           640
344 Gly Ser Pro Trp Gly Thr Ser Lys Leu Met Phe Asn Asn Leu Thr Leu
345           645           650           655
348 Gly Gln Asn Ala Val Met Asp Tyr Ser Gln Phe Ser Asn Leu Thr Ile
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352 Gln Gly Asp Phe Ile Asn Asn Gln Gly Thr Ile Asn Tyr Leu Val Arg
353           675           680           685
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357           690           695           700
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381 785          790          795          800
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385          805          810          815
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389          820          825          830
392 Leu Gly Asn Ser Thr Pro Thr Glu Asn Gly Gly Asn Thr Thr Asn Leu
393          835          840          845
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397          850          855          860
400 Gln Asn Ala Pro Phe Ala Gln Pro Ser Ala Thr Pro Asn Leu Val Ala
401 865          870          875          880
404 Ile Asn Gln His Asp Phe Gly Thr Ile Glu Ser Val Phe Glu Leu Ala
405          885          890          895
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409          900          905          910
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413          915          920          925
416 Tyr Ala Arg Lys Met Ile Asp Ala Thr Ser Ala Asn Glu Ile Thr Lys
417          930          935          940
420 Gln Leu Asn Thr Ala Thr Thr Leu Asn Asn Ile Ala Ser Leu Glu
421 945          950          955          960
424 His Lys Thr Ser Gly Leu Gln Thr Leu Ser Leu Ser Asn Ala Met Ile
425          965          970          975
428 Leu Asn Ser Arg Leu Val Asn Leu Ser Arg Arg His Thr Asn His Ile
429          980          985          990
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453          1070          1075          1080
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457          1085          1090          1095
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VERIFICATION SUMMARY

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